Keyword Index - Volumes 71+72

ABCA1 (72) 473

Acidification (71) 754

Action potentials (71) 430

Adenosine (72) 292

Adenosine deaminase (71) 79

Adenosine receptor (71) 79

Adipose tissue (71) 363

Adrenergic agonists (71) 108

Adrenergic (ant) agonists (71) 430

Adrenergic antagonist (71) 537

α_{1A}-adrenergic receptor (71) 735

Adrenergic receptors (71) 69

Ageing (72) 9

Aldosterone (71) 300

AMD3100 (71) 455

Amine oxidase (72) 349

Angiogenesis (71) 158, (71) 226, (72) 394

Angioplasty (71) 170, (72) 483

Angiopoietin2 (72) 394

Angiotensin (71) 129, (72) 456

Angiotensin II (71) 247, (71) 794

Animal model (71) 179

Animal models (71) 586

Ankyrin (71) 22

ANP (72) 112

Antihypertensive (72) 184

Antihypertensive agents (71) 118

Antioxidant (72) 112

Antisense oligonucleotides (71) 352

Apoptosis (71) 118, (71) 139, (71) 466, (71) 754, (71) 774, (72) 51,

(72) 163

Arrhythmia (71) 22, (71) 496, (72) 241

Arrhythmia (mechanisms) (71) 704, (72) 292, (72) 412

Arrhythmias (mechanisms) (71) 88

Arsenic trioxide (As₂O₃) (72) 483

Arterial stiffness (72) 349

Arteries (71) 40, (72) 60

Atherosclerosis (71) 30, (71) 170, (71) 259, (71) 331, (71) 486, (71) 586,

(71) 774, (72) 9, (72) 18, (72) 60, (72) 184, (72) 231, (72) 447

ATP release (71) 764

ATP-sensitive (71) 383

Atrial fibrillation (72) 69

Atrial myocardium (72) 69

Autonomic nervous system (71) 129, (72) 90

Axl tyrosine kinase receptor (71) 754

Azide (71) 30

Biochemistry (71) 79

Blood pressure (71) 247, (71) 596

Bone marrow (72) 175

Brugada syndrome (71) 22

Ca2+-activated (71) 383

Ca2+ channels (71) 630

Ca-channel (71) 310, (71) 496

Ca-pump (71) 310

Calcineurin (71) 672

Calcium (71) 300, (71) 715

Calcium (cellular) (72) 163, (72) 262

Calcium channel (71) 478, (72) 292

Capillary pressure (72) 41 Carbon monoxide (71) 393

Cardiac development (72) 198, (72) 364

Cardiac fibroblast (71) 280

Cardiac function (71) 69, (71) 557

Cardiac ischemia (72) 210

Cardiac morphogenesis (72) 198

Cardiac remodeling (72) 152

Cardiac remodelling (72) 198

Cardiac specification (72) 198

Cardiocyte (71) 506

Cardiomyocyte (71) 108, (71) 704, (72) 422

Cardiomyocytes (71) 10, (72) 112

Cardiomyopathy (71) 139, (71) 496, (72) 303

Cardioprotection (71) 672, (72) 313, (72) 322

Caveolin (71) 478

CD36 (72) 473 CDK2 (71) 61

Cell culture (71) 118, (71) 704

Cell differentiation (71) 158, (71) 170, (71) 661

Cell senescence (72) 9

Cell therapy (71) 158, (71) 419, (71) 744

Cellular signaling (72) 152

Chemoreflex (71) 129

Cholesterol (71) 443, (72) 438

Chronic heart failure (71) 443

Chronic obstructive pulmonary disease (72) 30

Computer modelling (71) 704

Conduction (72) 282

Conduction block (72) 282

Congenital defects (71) 50 Connective tissue (72) 375

Connexin43 (72) 412

Connexins (72) 69, (72) 282

Contractile function (71) 374, (71) 652, (72) 134, (72) 163, (72) 384

Contraction (71) 363, (72) 422

CORM-3 (71) 393

Coxsackievirus (71) 517

C-reactive protein (71) 30

CXCR4/SDF-1 axis (71) 455 Cytochromes (71) 195

Cytokines (71) 466, (71) 566, (71) 684, (72) 384

Cytoskeleton (71) 22, (71) 236

Cytoskeleton and smooth muscle (71) 170

Cytosolic Ca²⁺ (71) 630

DCF (72) 322 Developmental biology (71) 50

Dexamethasone (72) 41 Diuretic drugs (72) 184

Duox (71) 289

e-c coupling (71) 310, (72) 292

ECG (71) 88

Ectonucleotidases (71) 764

Elastin (72) 349

Electron microscopy (71) 486

Endothelial barrier function (71) 764

Endothelial cell (72) 331

Endothelial cells (71) 754, (72) 447

Endothelial contractile machinery (71) 764

Endothelial function (71) 179, (71) 236, (71) 478, (71) 527, (71) 566,

(71) 794, (72) 231

Endothelial progenitor cell (72) 394

Endothelin (72) 30

Endothelin antagonist (72) 30

Endothelins (71) 61

Energy metabolism (71) 149, (72) 430

Epicardial mapping (72) 412

Epinephrine (72) 364

ERK1/2 (72) 464

Erythropoietin (72) 51

Estrogens (71) 566

Experimental (71) 79

Extracellular matrix (71) 40, (71) 486, (71) 548, (71) 557, (71) 785, (72) 339, (72) 375

Fatty acid (72) 124

FCCP (72) 313

Fibroblast growth factors (71) 50

Fibrosis (71) 744, (72) 69

Flavoprotein fluorescence (72) 322

Flt-4 (71) 774

Frizzled (72) 198

G proteins (71) 69

G-actin (72) 101

G-CSF (71) 455

G-proteins (71) 430, (72) 339

Gap junction (72) 69

Gap junctions (71) 704, (72) 282, (72) 412

Gender (72) 456

Gene array analysis (71) 118

Gene expression (71) 695, (72) 184, (72) 231

Gene invalidation (72) 349

Gene knockout (71) 79

Gene polymorphisms (71) 496

Gene therapy (71) 517, (71) 527, (72) 331

General physiology (71) 79

Gqa (72) 464

Guanylate cyclase (71) 393

Healing (71) 280

Heart (71) 79, (71) 208, (71) 672, (72) 124

Heart failure (71) 129, (71) 149, (71) 208, (71) 684, (71) 695, (71) 735, (72)

262, (72) 430, (72) 438

Heart valve (71) 548

Heavy ion radiaton (72) 412

Hemodynamics (72) 231

Heparanase (72) 124

HIF (71) 195

HIF-1 (71) 642

High altitude pulmonary oedema (72) 41

Histo(patho)logy (71) 486

HMG-CoA reductase inhibitors (71) 443

Hyperbaric oxygen (72) 143

Hypertension (71) 794, (72) 456

Hypertrophy (71) 108, (71) 208, (71) 342, (71) 352, (71) 652, (71) 672, (72) 101, (72) 303

Hypoxia (71) 129, (71) 620, (71) 642, (72) 30

Hypoxia/anoxia (71) 652

Hypoxia-induced gene expression (71) 642

Hypoxic pulmonary hypertension (71) 630

Hypoxic pulmonary vasoconstriction (71) 620, (71) 630, (72) 41

In vivo physiology (71) 557

Infarction (71) 149, (71) 537, (71) 661, (72) 143, (72) 241, (72) 430,

(72) 438

Infection/inflammation (72) 134, (72) 384

Inflammation (71) 30, (71) 139, (71) 247, (71) 574, (72) 438

iNOS (71) 672

Insulin (72) 220

Insulin resistance (71) 149

Integrins (71) 754

Interstitial cells (71) 548

Interstitial lung disease (72) 30

Intimal hyperplasia (71) 179

Intrabody (72) 331

Intralipid (72) 124

Ion channels (71) 195, (72) 80, (72) 90, (72) 250, (72) 262

Ischaemia (72) 313

Ischemia (71) 79, (71) 149, (71) 322, (71) 466, (71) 537, (71) 715,

(71) 725, (72) 51, (72) 143

Ischemia-reperfusion injury (72) 152

Isolated heart (72) 313

Isolated myocytes (72) 322

K* channels (71) 630

K+ current (71) 383

K-ATP channel (71) 537, (72) 220

K-channel (71) 88, (71) 695

K-channels (72) 80

Kinases (71) 247

Leptin (72) 101

Leukocytes (71) 527, (72) 134

Lipid metabolism (72) 430 Lipid signaling (71) 725

Lipopolysaccharide (72) 447

Lipoporysaccharide (72) 4 Lipoproteins (71) 574

Long QT syndrome (71) 22 LPL (72) 124

Lung (71) 620

LXR (72) 473

Macrophage (72) 473

Macrophages (71) 527, (71) 774

Magnesium (71) 300

MAP kinase (71) 466 MAP kinases (71) 97

MAPCs (72) 175

MAPK (71) 363, (72) 163

Matrix metalloproteinases (71) 586, (72) 375

m-e coupling (72) 403

Mechanical stretch (72) 303

Mechanotransduction (71) 269, (71) 548, (71) 652, (71) 754, (72) 375

Membrane currents (71) 695, (72) 250, (72) 262

Membrane potential (72) 90, (72) 403

Mesenteric artery (71) 363 Metabolic inhibition (72) 313

Microtubule (71) 506

Mitochondria (71) 10, (71) 715, (72) 220, (72) 313, (72) 322

Mitochondrial depolarization (72) 210

Mitochondrial membrane potential (72) 322

Mitochondrial respiration (72) 210

Monocyte chemoattractant protein-1 (71) 139

Monocytes/macrophages (71) 574

mRNA (71) 506

Multi-organ failure (72) 220

Myocardial infarction (71) 455, (71) 684, (71) 744, (72) 175, (72) 412

Myocardial inflammation (71) 684

Myocarditis (71) 517

Myocytes (71) 97, (71) 342, (71) 374, (71) 419, (71) 652, (71) 661, (72) 51,

(72) 282, (72) 303, (72) 384, (72) 403

Myofibroblast (71) 280

NAD(P)H oxidase (71) 331, (71) 596

NADPH oxidase (71) 208, (71) 216, (71) 226, (71) 236, (71) 289, (71) 342,

(71) 794, (72) 112

NADPH oxidase 4 (72) 447

Na_v1.5 (72) 250

Necrosis (71) 715

Neonatal cardiomyocytes (72) 101

Neutral endopeptidase (71) 179

Nifedipine (72) 41

Nitric oxide (71) 10, (71) 383, (71) 393, (71) 478, (71) 785, (72) 51,

(72) 60, (72) 80, (72) 143

Nitric oxide synthase (72) 51

Norepinephrine (72) 364

Nox (71) 289

NPR-C (72) 464

Nuclear GPCRs (71) 69

Organ (71) 79

Oxidative stress (71) 208, (71) 300, (72) 473

Oxygen (71) 620

Oxygen radicals (71) 216, (71) 236, (71) 259, (71) 269, (71) 310, (71) 322,

(71) 342, (71) 374, (71) 574, (72) 60, (72) 112

Oxygen sensing (71) 620

Oxygen-sensing (71) 195, (71) 630

p27Kip1 (71) 61

p38 MAPK (71) 352

p47^{phox} (71) 596

Pacemaker (72) 364

Parathyroid hormone (71) 300

Peptide hormones (72) 112

Peptide-1 (72) 464

Perivascular nerve stimulation (71) 363

Pharmacology (71) 79, (72) 80

PHD (71) 195

Phosphodiesterase-5 inhibitor (72) 30

Phosphorylation (71) 430

PI-3 Kinase (71) 61

Plaque rupture (71) 586

Platelet derived growth factor (72) 30

Platelet-derived growth factor (71) 331

Platelet-derived growth factor B (71) 557

Platelets (71) 393, (71) 486

Postconditioning (72) 152

Post-infarct repair (71) 455

PPAR (72) 473

Preconditioning (71) 537, (71) 725, (72) 313, (72) 322

Progenitor cells (72) 175

Prostacyclin (72) 30

Protein kinase (72) 456

Protein kinase A (71) 430, (72) 250

Protein kinase C (71) 97, (71) 430, (71) 537, (71) 574, (71) 725

Protein kinases (71) 118

Protein synthesis (72) 464

Proteomics (72) 18

Pulmonary arterial smooth muscle cells (72) 630

Pulmonary hypertension (72) 30

Rat (72) 313

Reactive oxygen species (71) 208, (71) 226, (71) 352, (71) 596, (72) 210,

(72) 447

Reactive oxygen species (ROS) (71) 289

Receptors (71) 566, (72) 184, (72) 339 Redox signaling (71) 226, (71) 310, (71) 322, (71) 374, (71) 794

Redox signalling (71) 208, (71) 236

Remodeling (71) 466, (72) 90, (72) 241

Remodelling (71) 269, (71) 661

Renin-angiotensin system (71) 596, (72) 184

Reoxygenation (71) 280

Reperfusion (71) 322, (71) 715, (71) 725, (72) 313

Reperfusion injury (71) 764

Reperfusion injury salvage kinase (72) 152

Repolarization (72) 80

Restenosis (71) 566, (72) 483

Rho/ROCK (72) 101

ROS (71) 195, (71) 331

Sepsis (72) 134, (72) 220

Septic shock (72) 220

Serotonin (5-HT) 2B receptors (72) 303

sGC (71) 393

Shear stress (71) 269, (71) 754

Signal transduction (71) 97, (71) 108, (71) 216, (71) 247, (71) 393,

(71) 478, (71) 785, (72) 51, (72) 339

Signalling (71) 69, (72) 313

Single channel currents (71) 496

Skeletal myoblasts (71) 744

Smooth muscle (71) 40, (71) 216, (71) 785, (72) 339

Sodium current (72) 250

Soluble viral receptor trap (71) 517

SR (function) (72) 292

SR-BI (72) 473

Src (71) 331, (71) 672

SSAO (72) 349

Statins (71) 342, (71) 443, (72) 231, (72) 438 Stem cells (71) 158, (71) 419, (71) 661, (72) 282

Stents (72) 483

Stretch (71) 269, (72) 262, (72) 375, (72) 403

Superoxide (71) 247, (71) 289

Superoxide anion (71) 363

Tadalafil (72) 41

TGFB (71) 352

Thrombosis (71) 30

Tie1 (72) 394

Tie2 (72) 394

Tissue engineering (71) 40, (71) 419, (71) 548, (72) 331

Toll-like receptor 4 (72) 447

Topography (72) 422

Trans-epithelial Na transport (72) 41

Transgenic animal model (71) 139

Transgenic animal models (71) 50

Transient outward current (71) 430
Translocation (71) 506

Transplantation (71) 419, (71) 527, (72) 175

T-tubule (72) 422 Tyrosine protein kinase (71) 430

Uncoupling proteins (72) 210

Vascular function (71) 557 Vascular hyporeactivity (72) 220 Vascular inflammation (71) 179 Vascular remodeling (71) 61, (71) 247, (71) 630 Vascular smooth muscle (72) 9 Vascular smooth muscle cells (71) 247, (72) 349 Vasculogenesis (71) 744 Vasoactive agents (71) 393 Vasoactive peptides (72) 464 Vasoconstriction (72) 456 VEGF (71) 774 Ventricular arrhythmias (72) 412 Ventricular function (71) 695, (72) 90 Ventricular remodeling (71) 735 Viral diseases (71) 517 Voltage-dependent (71) 383 VSMC (72) 464

Wnt (72) 198

